



NOAA's National Weather Service New York, NY



Issued: Tuesday, September 29, 2015 at 4:30 pm EDT

Our Message

What Should We Prepare for?

Tonight through Wednesday: Potential for heavy rain and isolated flash flooding, mainly for west and north of NYC and eastern portions of Long Island and Southern Connecticut.

Thursday through the Weekend: Potential for additional heavy rain with increasing chance of minor coastal flooding Thursday and widespread minor to moderate coastal flooding Friday

WHY is this Forecast So Complicated? MANY WEATHER PLAYERS

**The Cold Front moving east across the area tonight
Upper Level Low Pressure over the Southeast U.S.
Tropical Storm Joaquin and another Tropical System in the Gulf of Mexico
High Pressure Developing Aloft across the Western Atlantic Ocean**



Building a Weather Ready Nation @ www.weather.gov/nyc



US National Weather Service New York NY



@NWSNewYorkNY



NOAA's National Weather Service New York, NY



Issued: Tuesday, September 29, 2015 at 4:30 pm EDT

Hazards and Impacts:

Overview: Several periods of heavy rain are possible this week starting Tonight through this weekend. This potential has increased due to the formation of Tropical Storm Joaquin. Strong onshore flow later this week will increase the threat of coastal flooding, heavy surf, and beach erosion. Monitor the latest information from the National Hurricane Center:

http://www.nhc.noaa.gov/graphics_at1.shtml?5day?large#contents

Rainfall: Periods of heavy rain this week with **total 7 Day rainfall amounts of 4 to 8 inches possible with locally higher amounts.**

Rainfall Rates: Estimated maximum hourly rates of 1 to 2 inches.

Freshwater Inland Flooding: Flash Flooding of urban low lying poor drainage areas possible at any time. Flash Flooding of larger stem rivers and streams has a lower probability through Friday...but threat increases substantially later this weekend where there is a potential for significant flooding if heavier rain materializes.



Building a Weather Ready Nation @ www.weather.gov/nyc



US National Weather Service New York NY



@NWSNewYorkNY



NOAA's National Weather Service New York, NY



Issued: Tuesday, September 29, 2015 at 4:30 pm EDT

Additional Hazards and Impacts:

Winds: Northeast winds increase by late in the week. Wind gusts of 20 to 30 mph are possible over inland locations. Wind gusts up to 40 mph are possible in coastal areas, especially this weekend.

Tidal Flooding: Tides will run a higher than normal by the end of the week, with more significant rises this weekend as the stronger northeast winds develop. Widespread coastal flooding is possible late this week into the weekend.

Confidence/Analysis: High confidence exist for heavy rain and flooding potential over the next 7 days. **Low confidence forecasts of TS Joaquin track and intensity. Whether Joaquin directly impacts the East Coast or not, tropical moisture from Joaquin is expected to increase the potential for heavy rainfall.** As a result, forecast rainfall totals have increased, and the potential for inland flooding has increased. Strong northeast flow this week makes widespread minor coastal flooding more likely.



Building a Weather Ready Nation @ www.weather.gov/nyc



US National Weather Service New York NY



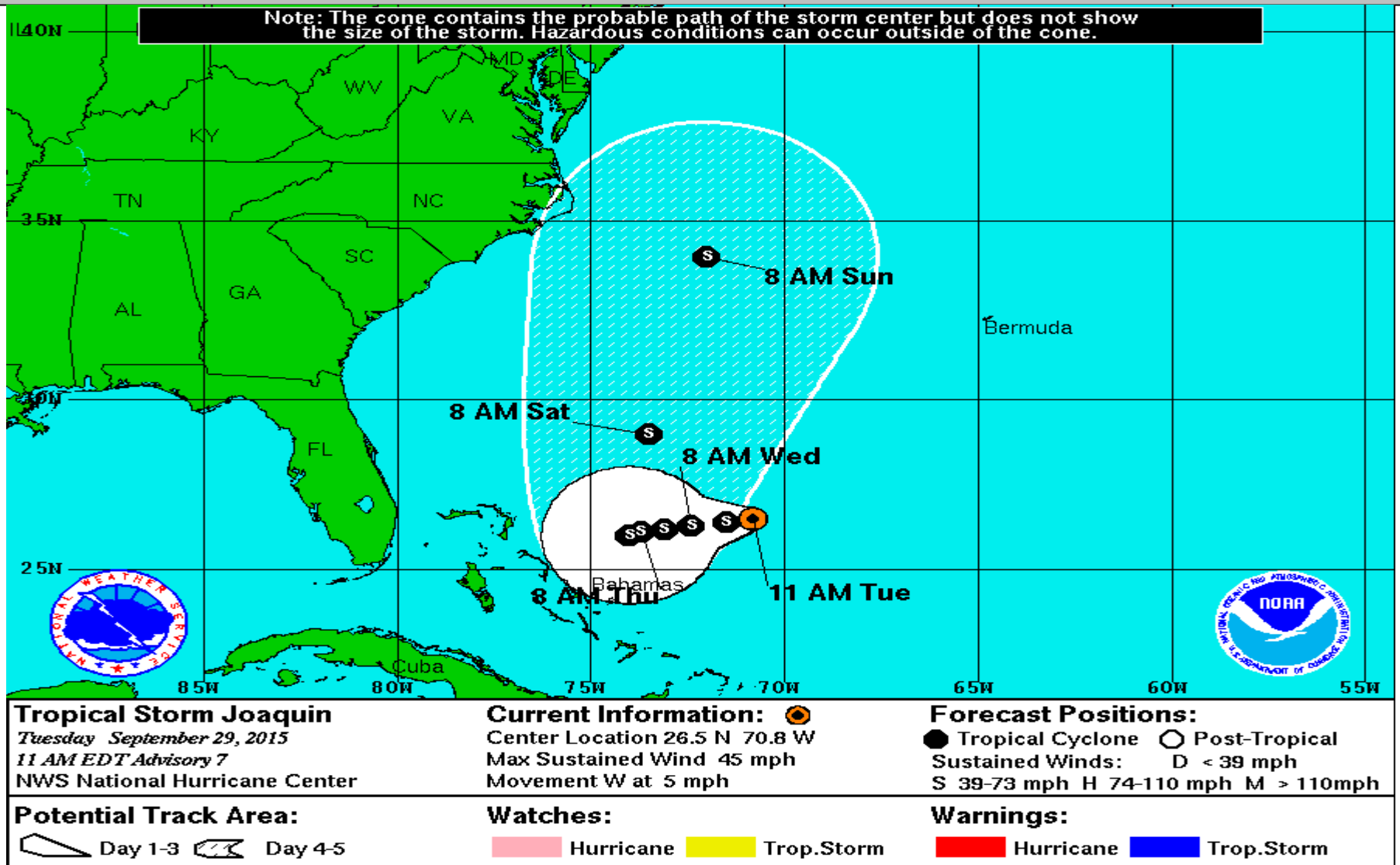
@NWSNewYorkNY



NOAA's National Weather Service New York, NY



Latest NHC Forecast Track Sept 29 at 11 AM



Building a Weather Ready Nation @ www.weather.gov/nyc



US National Weather Service New York NY



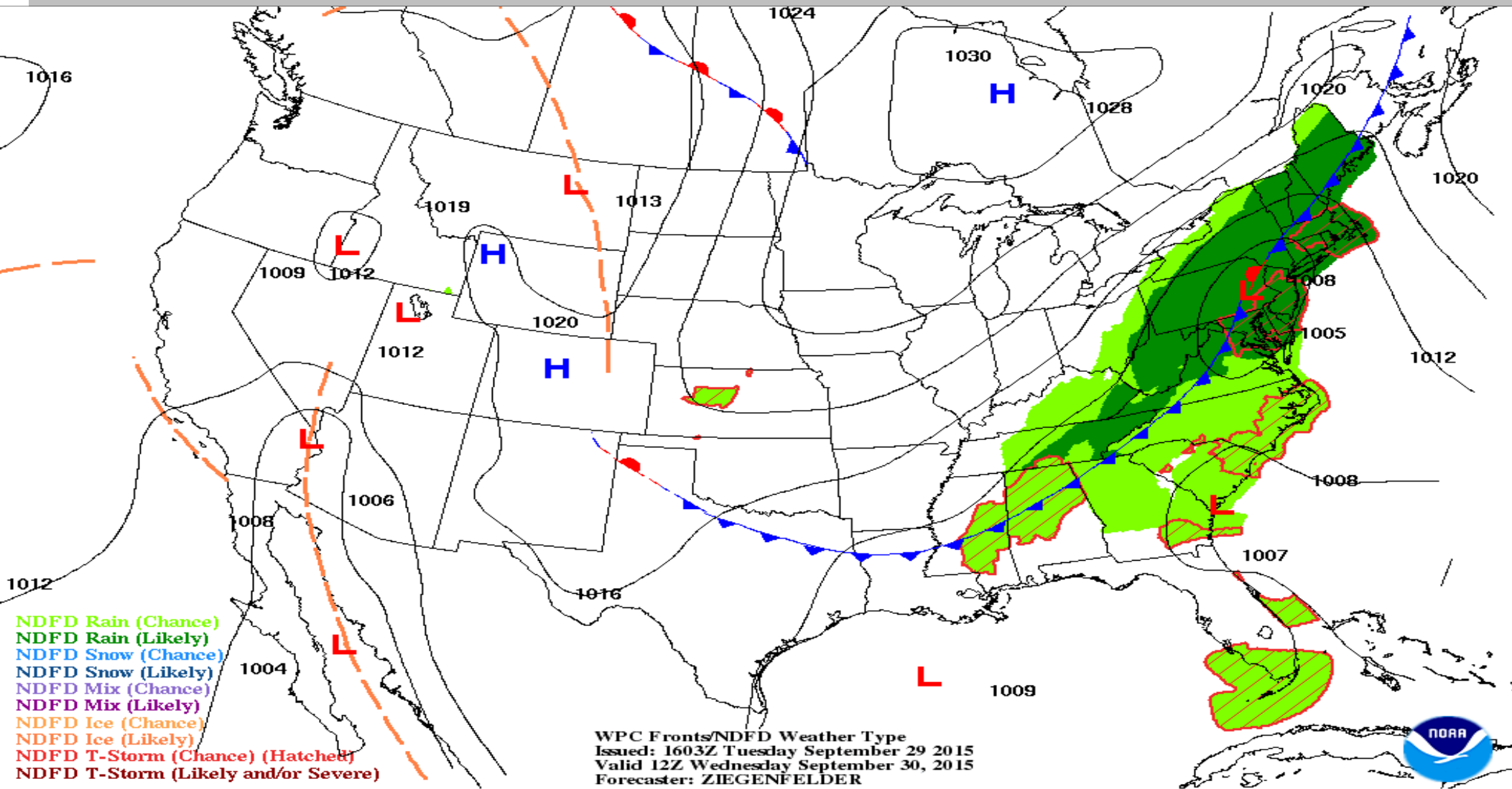
@NWSNewYorkNY



NOAA's National Weather Service New York, NY



Surface Pattern Wednesday Sept 30 at 7 AM



Building a Weather Ready Nation @ www.weather.gov/nyc



US National Weather Service New York NY



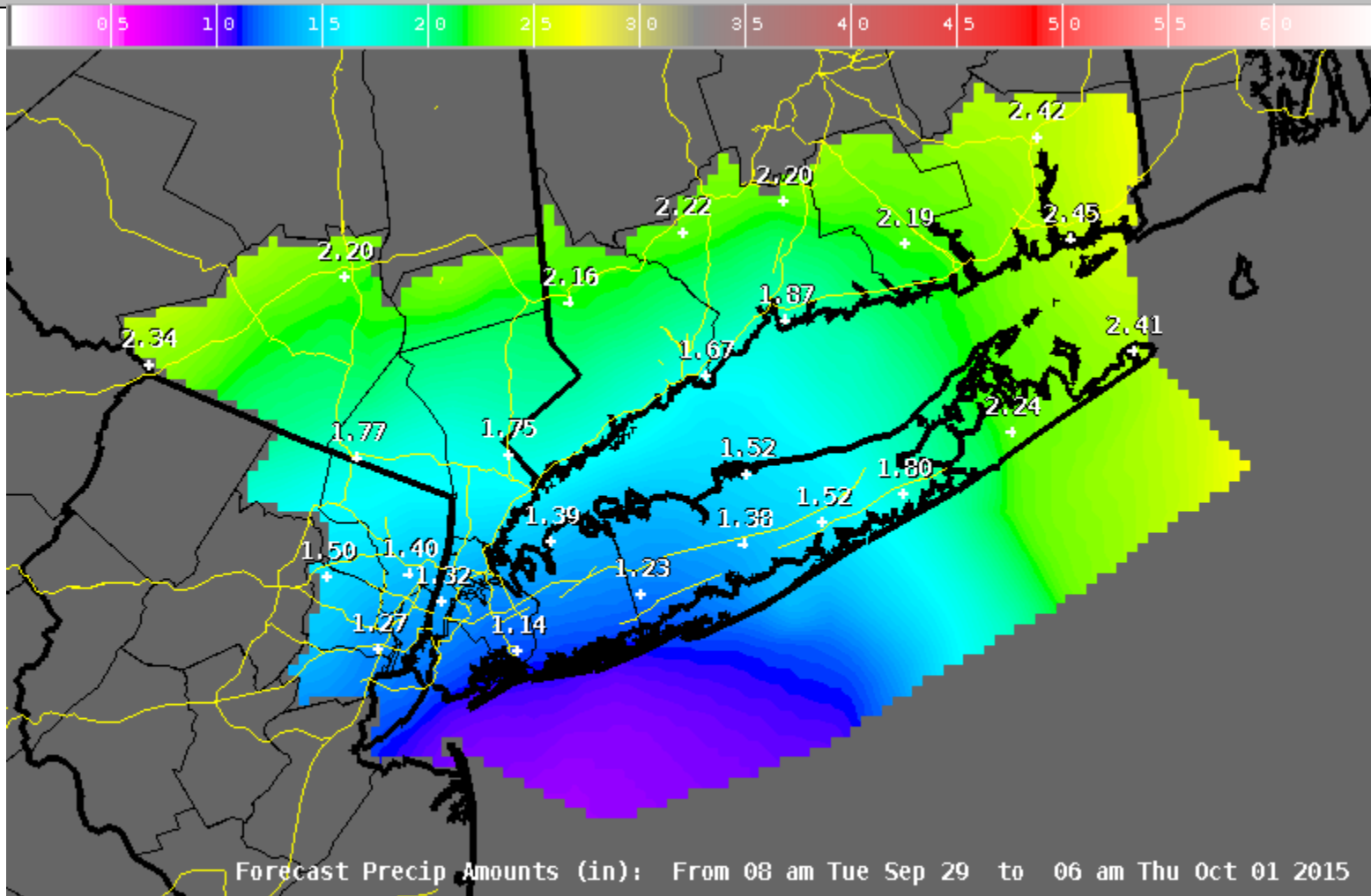
@NWSNewYorkNY



NOAA's National Weather Service New York, NY



Storm Total Rainfall Forecast Through Thu Oct 2 at 6 AM



NOAA / National Weather Service New York, NY



Building a Weather Ready Nation @ www.weather.gov/nyc



US National Weather Service New York NY



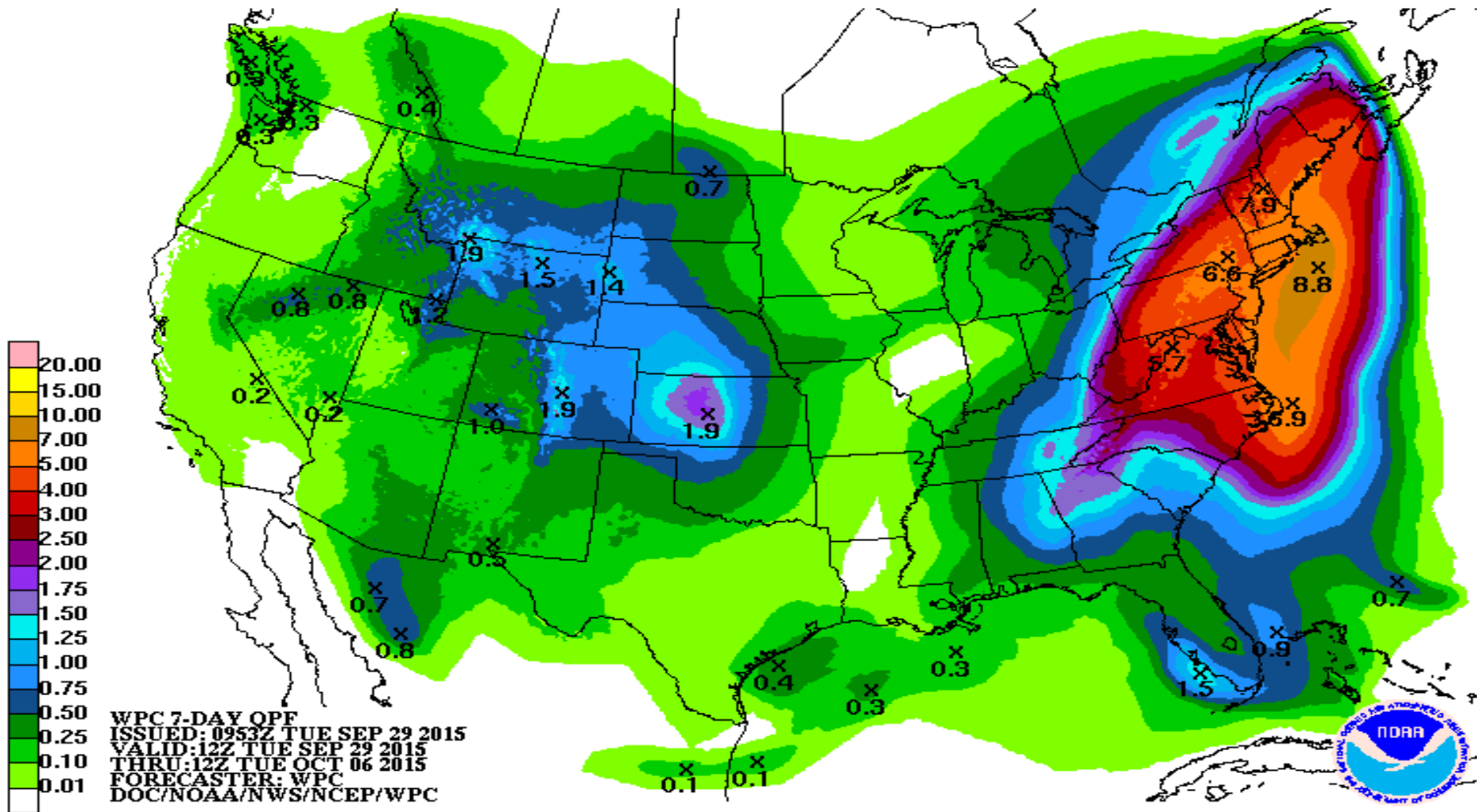
@NWSNewYorkNY



NOAA's National Weather Service New York, NY



7 Day Storm Total Rainfall Forecast Through Tue Oct 6



Building a Weather Ready Nation @ www.weather.gov/nyc



US National Weather Service New York NY



@NWSNewYorkNY



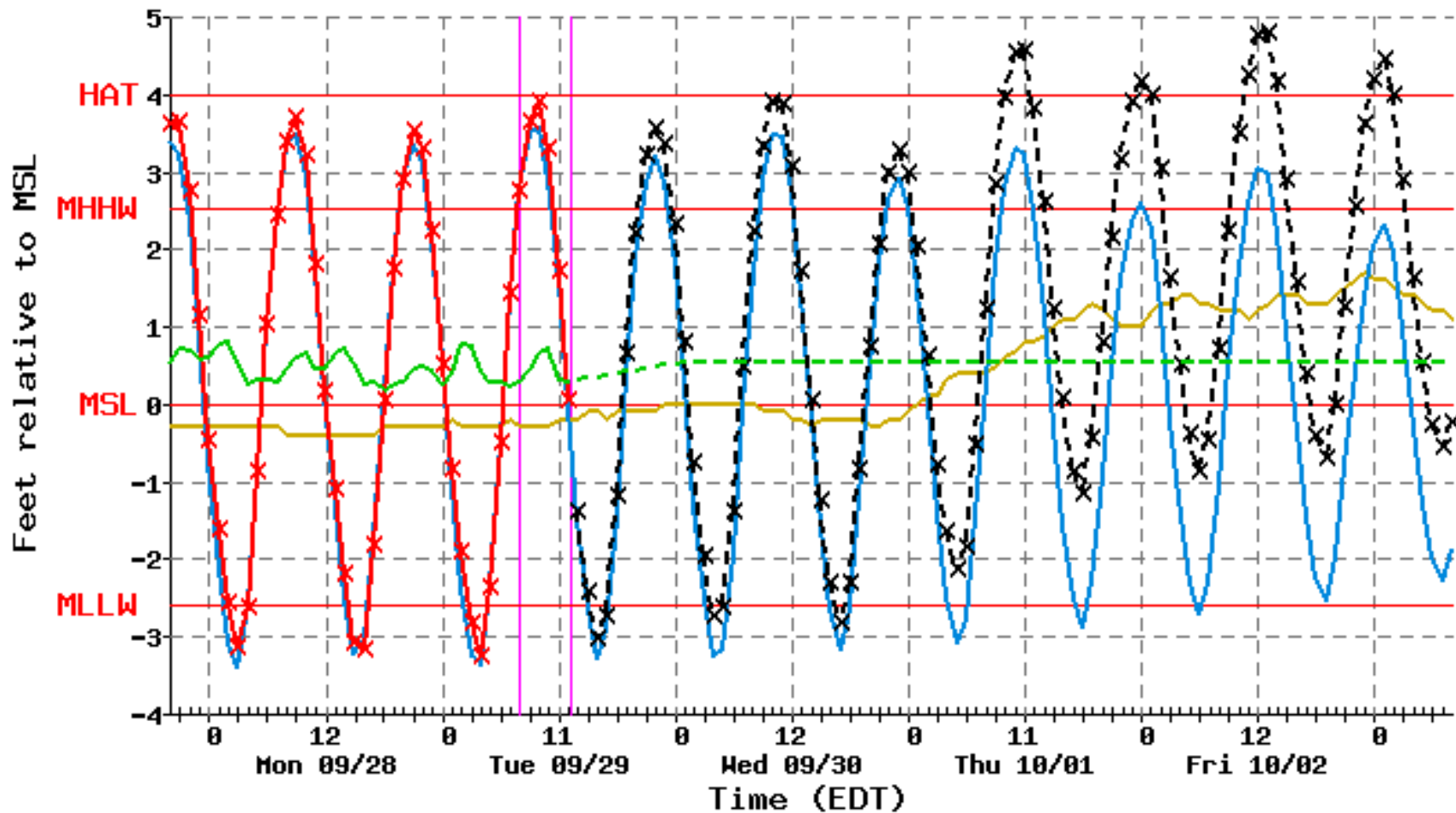
NOAA's National Weather Service New York, NY



Total Water Guidance New York Battery

Surge Guidance Tide Prediction Observation Anomaly (Obs.-(Tide+Surge)) Total Water Guidance

The Battery, NY : 09/29/2015 1:19 PM EDT



Building a Weather Ready Nation @ www.weather.gov/nyc



US National Weather Service New York NY



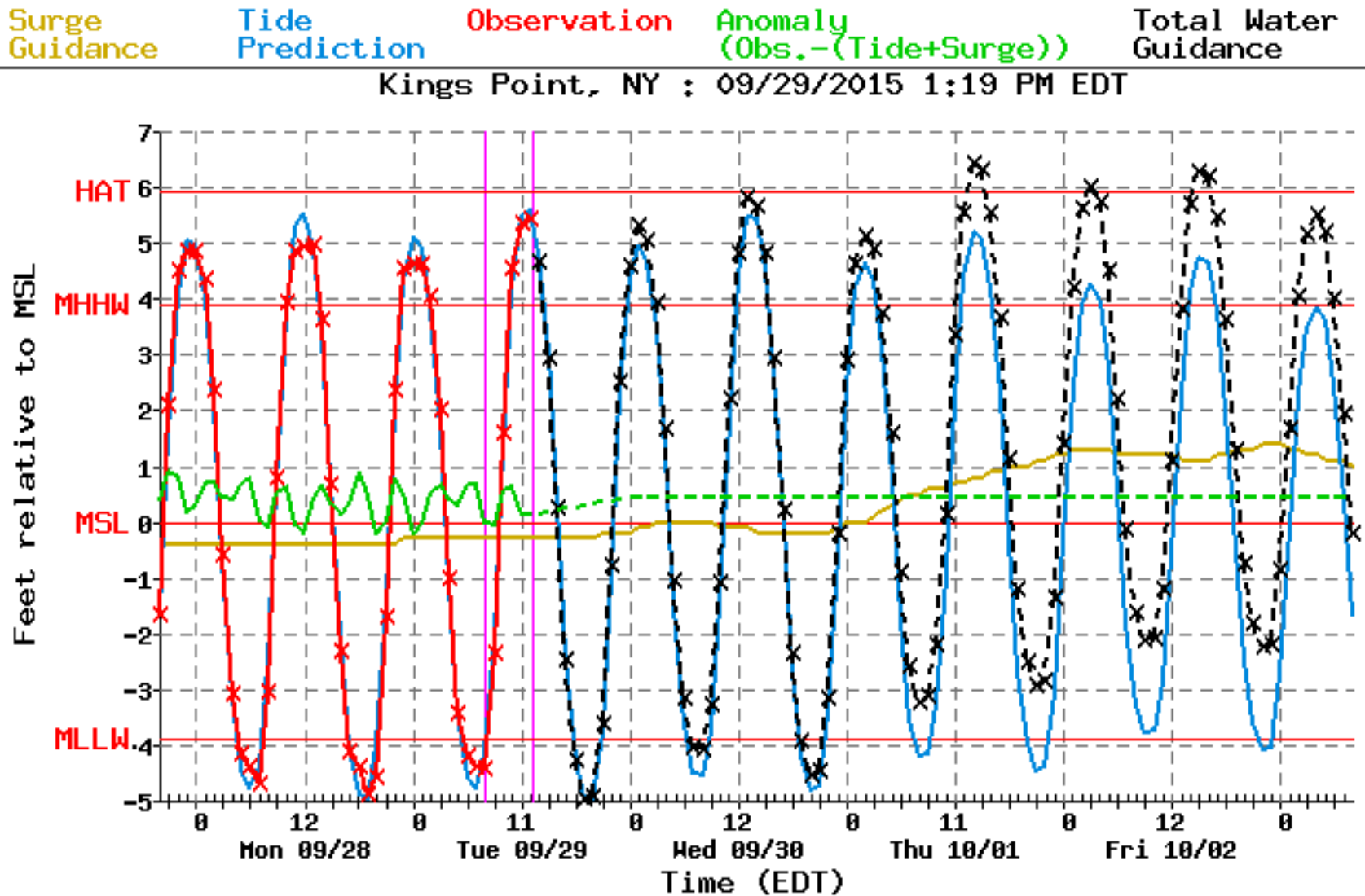
@NWSNewYorkNY



NOAA's National Weather Service New York, NY



Total Water Guidance Kings Point, NY



Building a Weather Ready Nation @ www.weather.gov/nyc



US National Weather Service New York NY



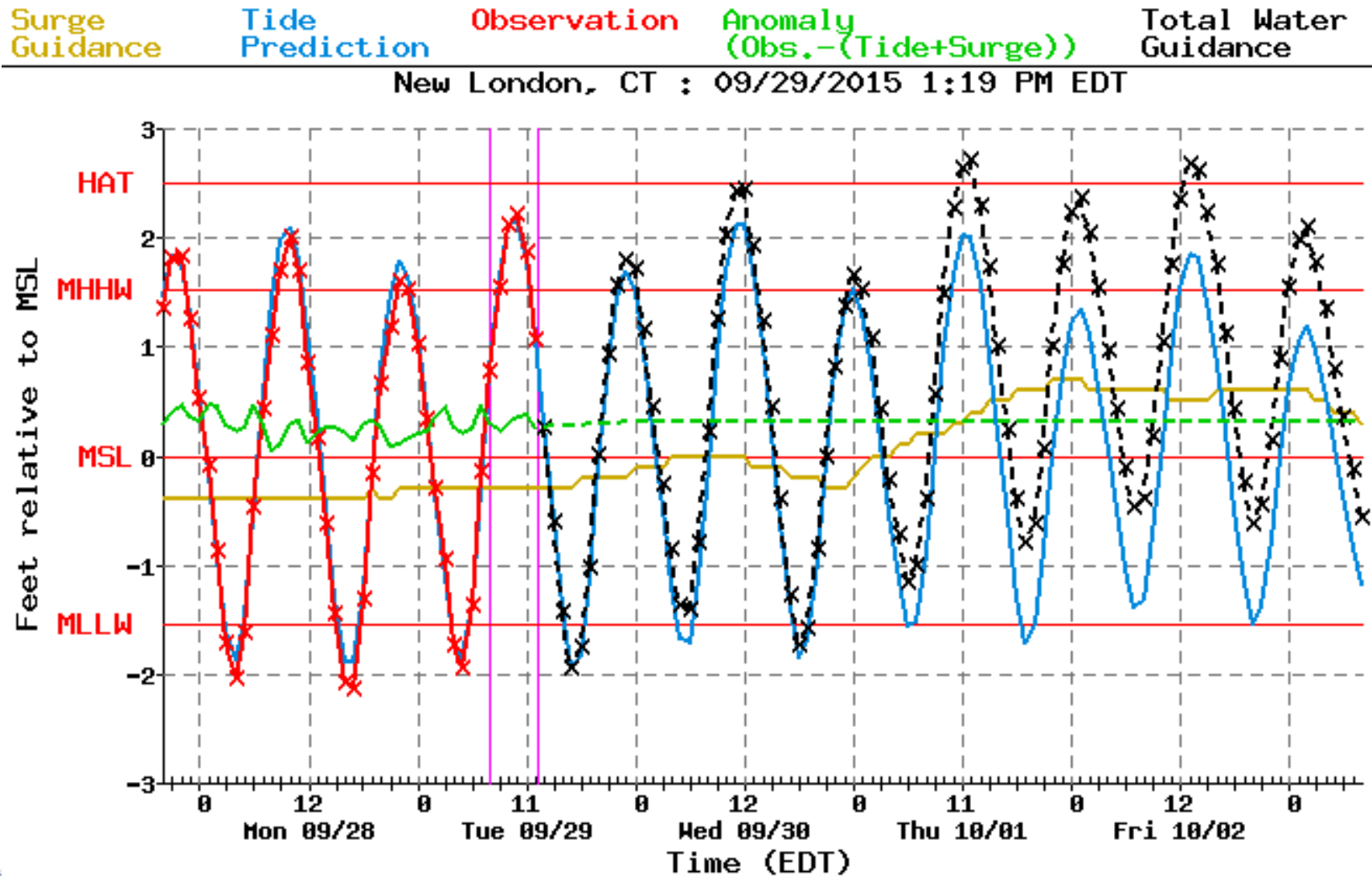
@NWSNewYorkNY



NOAA's National Weather Service New York, NY



Total Water Guidance New London, CT



Building a Weather Ready Nation @ www.weather.gov/nyc



US National Weather Service New York NY



@NWSNewYorkNY